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Cumulative Michigan COVID-19 Data

Michigan COVID-19 State Data

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8-7-2020

## 2020-08-07\_MichiganOverview\_COVIDstats

Michigan Department of Health & Human Services

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# Coronavirus

CORONAVIRUS / MICHIGAN DATA

## Michigan Data

### DATA ABOUT PLACES

### LONG TERM CARE FACILITIES

### CORONAVIRUS SYMPTOMS

### CUMULATIVE RECOVERED



CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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View Cases

View Deaths

View Table

Select Preparedness Region:

All

Select County:

All

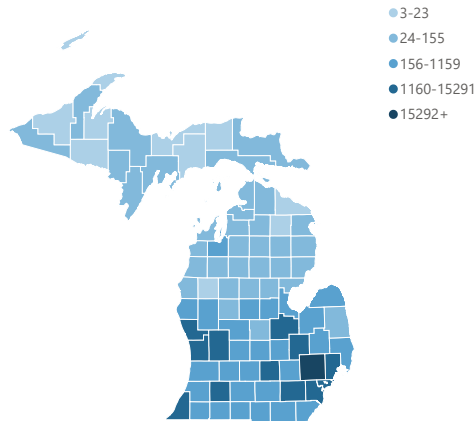
*This report is provisional and subject to change. City of Detroit and Wayne County are reported separately. MDHHS began tracking probable cases April 5, 2020. FCI indicates federal correctional institute. MDOC indicates Michigan Department of Corrections. Diagnostic tests, including nucleic acid amplification/real-time polymerase chain reaction (NAAT/RT-PCR) and rapid virus antigen detection point of care (POC) tests, look for current infection. Serology (antibody) tests are used to look for the possibility of previous infection.*

*Source: Michigan Disease Surveillance System (MDSS) and Vital Records.*

### COVID-19 Cases by County

Confirmed cases include individuals with a positive diagnostic test for COVID-19. Probable cases include individuals with COVID-19 symptoms and an epidemiologic link to confirmed COVID-19, but no diagnostic test.

#### Cases by County



## Michigan

Friday, August 7, 2020

#### Michigan (Statewide) Case Fatality Rate

7.2%

#### Current Totals

Case Status	Cases	Deaths
Confirmed	86,191	6,247
Probable	9,279	277
<b>Total</b>	<b>95,470</b>	<b>6,524</b>

#### Laboratory Testing

Test Type	Tests Performed
Diagnostic	2,061,956
Serology	225,674
<b>Total</b>	<b>2,287,630</b>

Cases by Hispanic/Latino Ethnicity		
Hispanic/Latino Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Hispanic/Latino	8%	2%
Non-Hispanic Latino	65%	83%
Unknown	27%	15%

Totals may not add to 100% due to rounding



### Cases by Arab Ethnicity

Arab Ethnicity	Percentage of Overall Cases by Ethnicity	Percentage of Deceased Cases by Ethnicity
Arab	2%	1%
Non-Arab	46%	45%
Unknown	52%	54%

*Totals may not add to 100% due to rounding*

PUBLIC USE DATASETS 8/7/2020

(Downloadable .xlsx files)

Cases and Deaths by County

Cases by County by Date

Cases by Demographics Statewide

COVID-19 Tests by County

Diagnostic Tests by Result and County

## Cumulative Total of Recovered COVID-19 Cases

Cumulative Total of Recovered COVID-19 Cases (as of 07/31/2020): **60,022**

**Note on recovery:** During this response, MDHHS is reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness to represent recovery status. As the pandemic continues to impact Michigan, this pool will expand to include more cases. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). The number of persons recovered on July 31, 2020 represents COVID-19 confirmed individuals with an onset date on or prior to July 1, 2020. If an individual dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered. These numbers will be updated every Saturday.

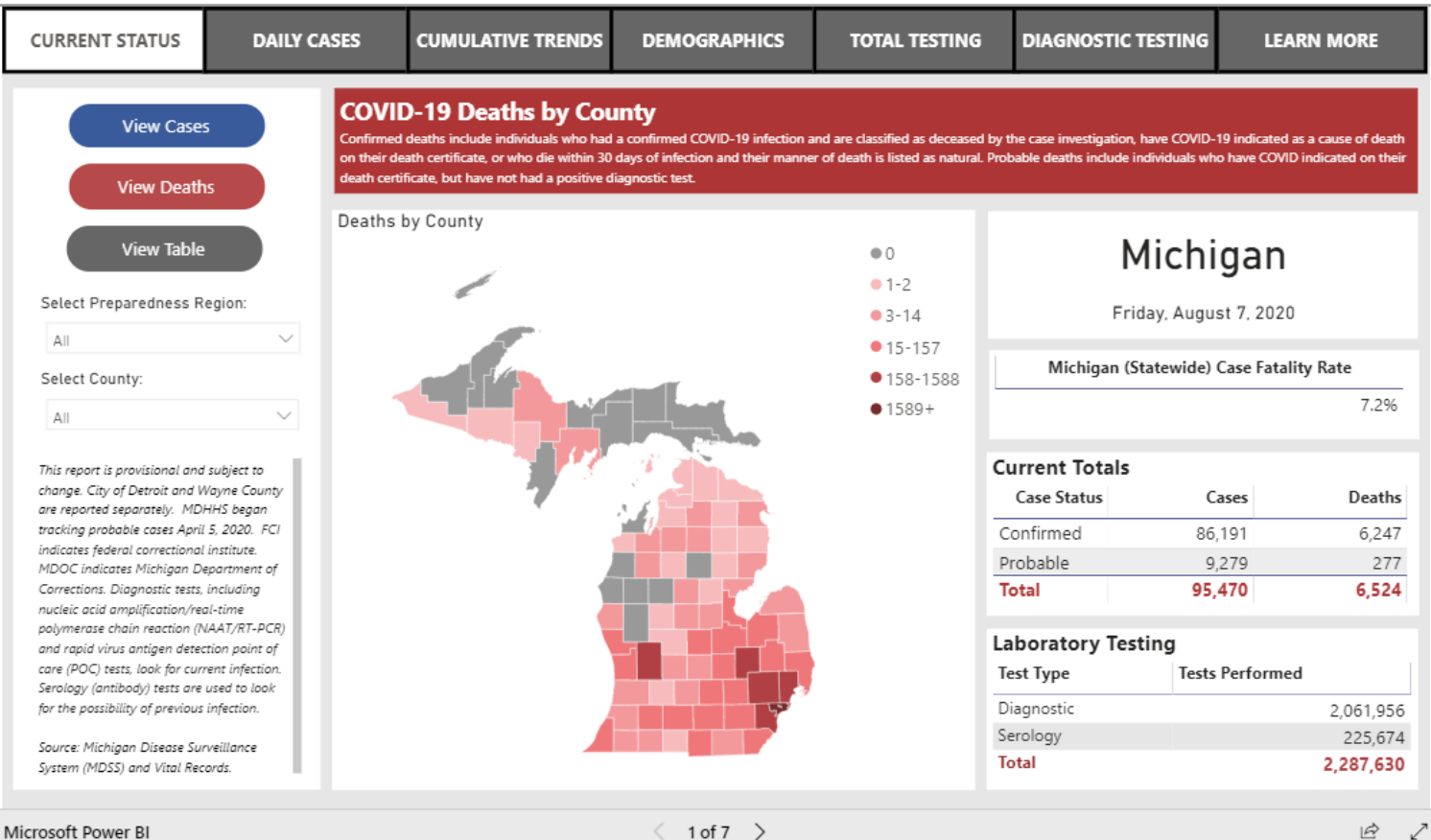
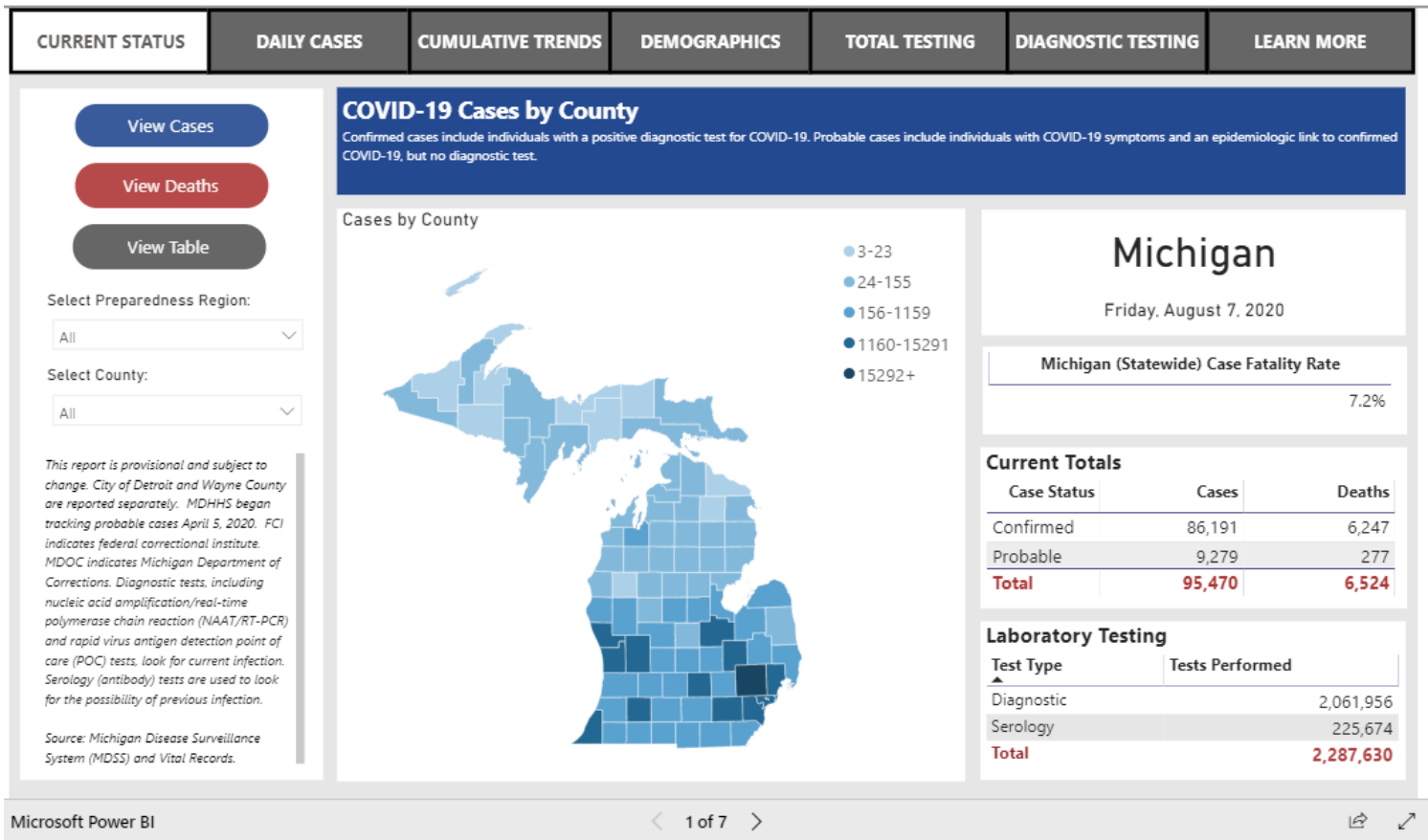
**Source:** Michigan Disease Surveillance System and Vital Records

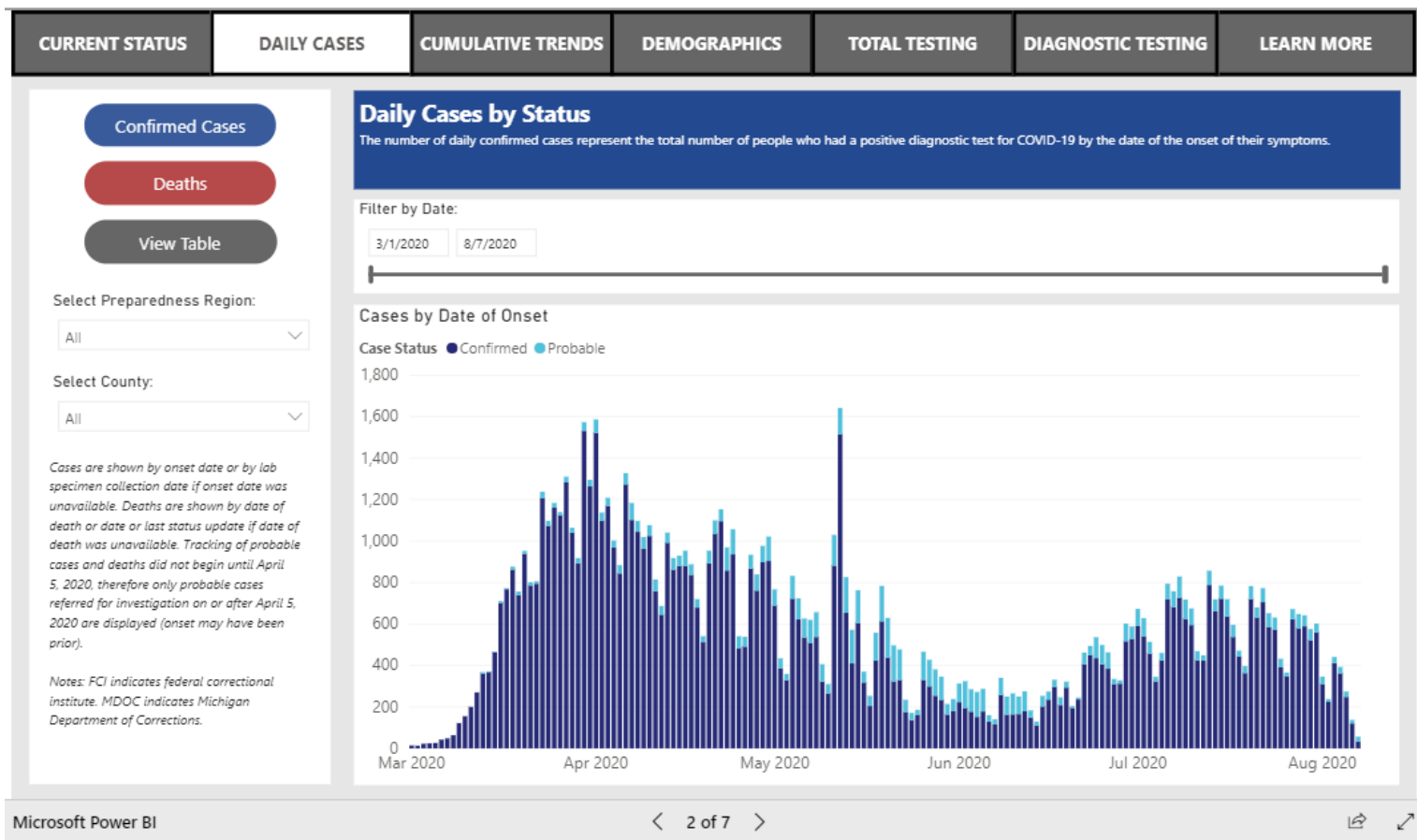


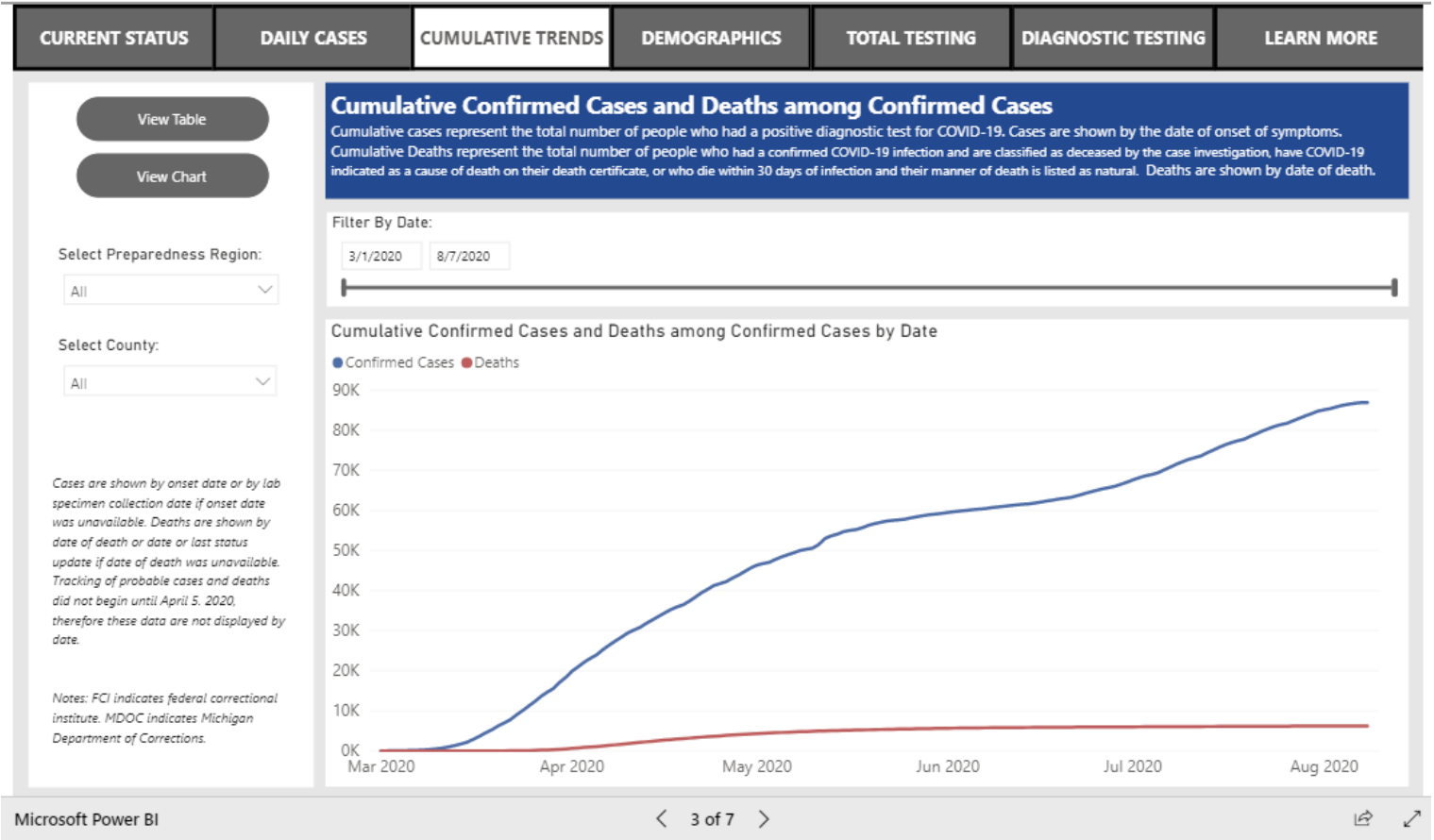
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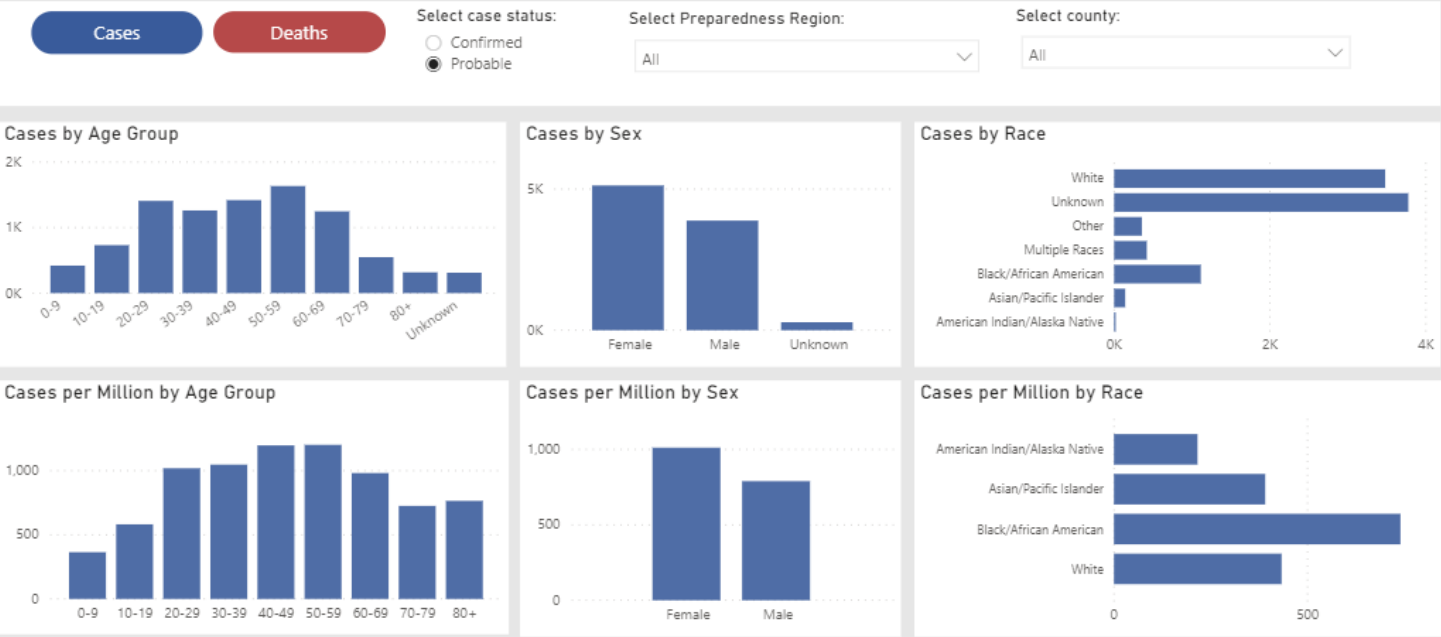






Cases by Demographic Characteristics

Data are suppressed when the number of cases is five or below to protect the confidentiality of individuals. The sum of the cases for individual categories may be fewer than the total number of cases due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.

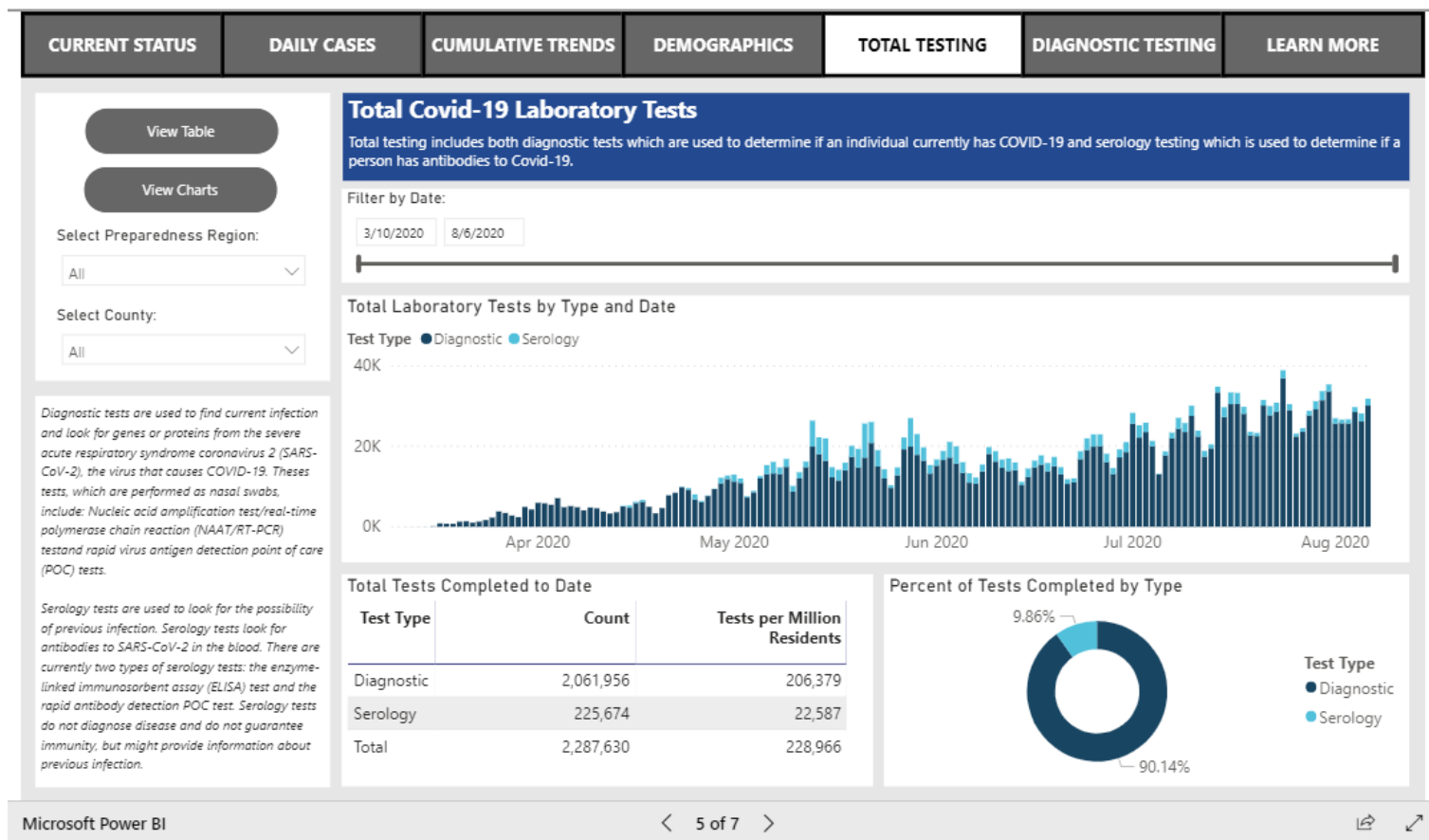
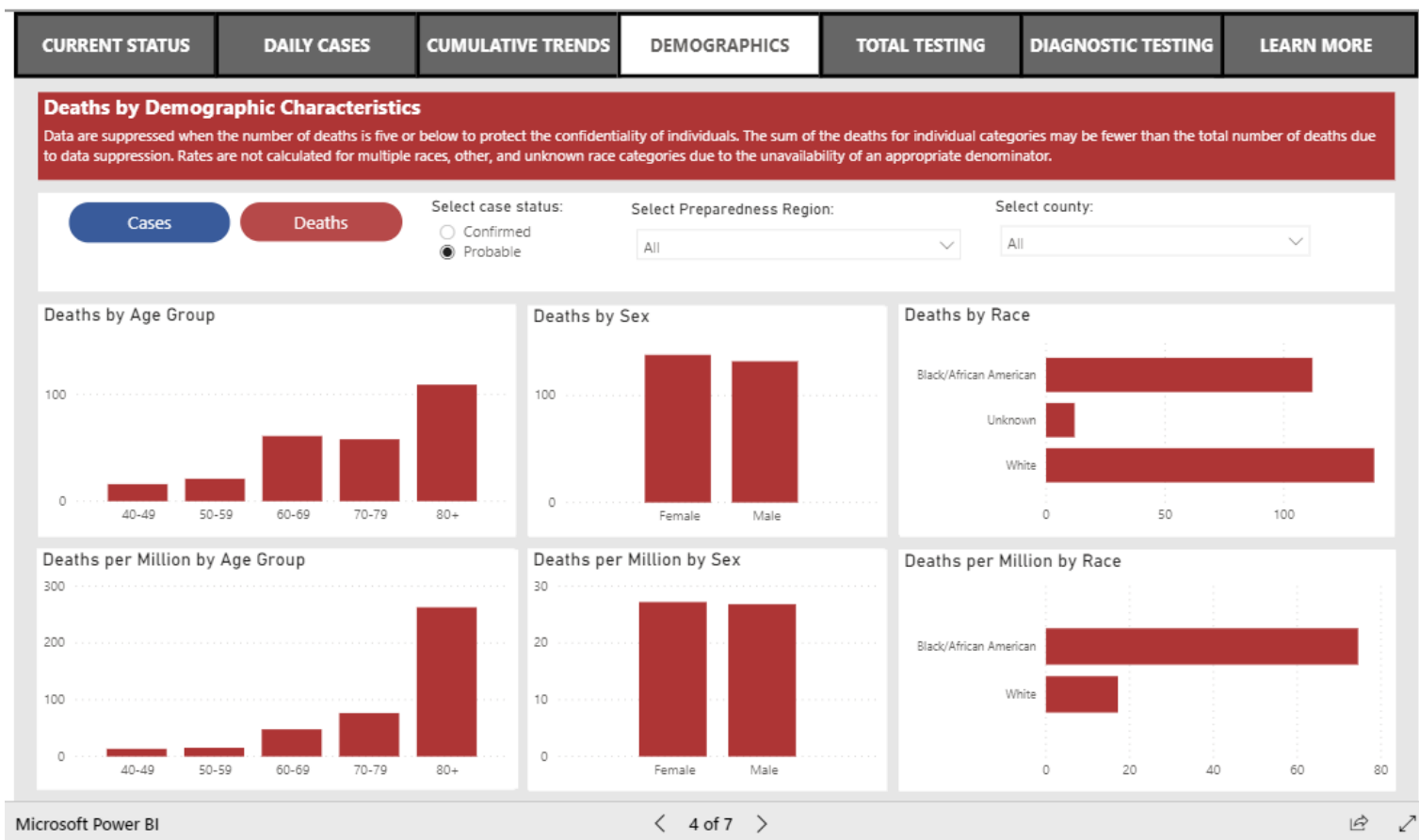


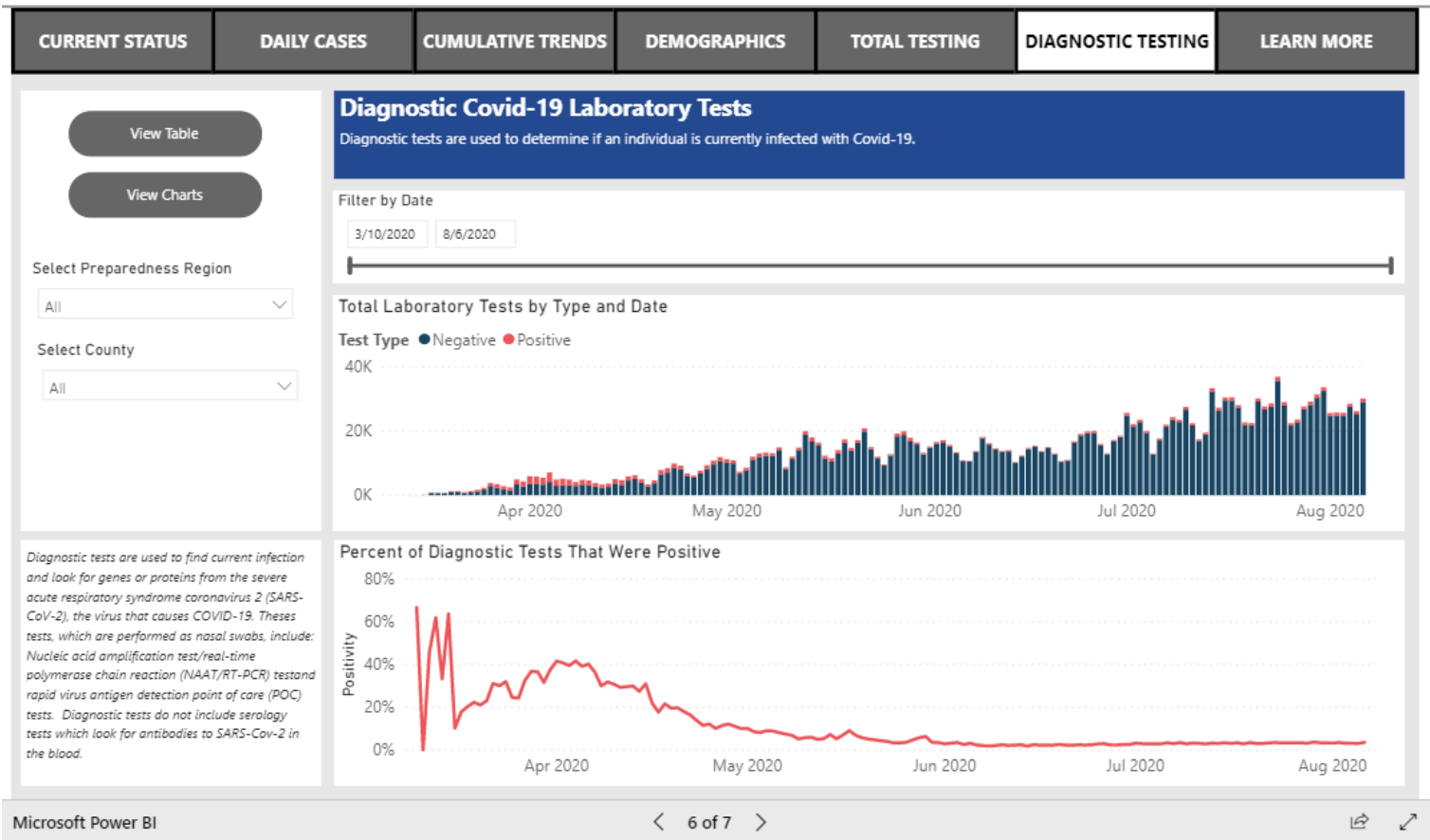
Deaths by Demographic Characteristics

Data are suppressed when the number of deaths is five or below to protect the confidentiality of individuals. The sum of the deaths for individual categories may be fewer than the total number of deaths due to data suppression. Rates are not calculated for multiple races, other, and unknown race categories due to the unavailability of an appropriate denominator.









CURRENT STATUS	DAILY CASES	CUMULATIVE TRENDS	DEMOGRAPHICS	TOTAL TESTING	DIAGNOSTIC TESTING	LEARN MORE
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#### Where does the data come from?

The State of Michigan COVID-19 Dashboard displays the most recent provisional data reported to the Michigan Department of Health and Humans Services (MDHHS) about cases in Michigan by selected demographics and county of residence (City of Detroit and Wayne County are reported separately). Data are reported to MDHHS via the [Michigan Disease Surveillance System \(MDSS\)](#). Provisional Death data are provided by the MDHHS Division for [Vital Records & Health Statistics](#).

#### How does MDHHS classify confirmed and probable cases?

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19. Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

#### How does MDHHS classify confirmed and probable deaths?

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'. Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

#### Why do the number of probable cases fluctuate?

The number of probable cases can change daily based on the investigation efforts of the health department. When a probable case is first reported, local and/or state health department staff investigate to determine if the person meets the case definition of probable. As additional information is gathered, the case could be re-classified to confirmed, remain as probable, or be determined as not a case.

#### Why do data in the demographics tab not sum to the total number of cases for a county or region?

Data are not shown whenever the number of cases for a particular demographic category is fewer than six to protect the confidentiality of individuals. Rates are not calculated for other, multiple, and unknown race because an appropriate population denominator is not available for these categories at the county level.

#### Where can I get more information about COVID-19?

Visit <https://www.michigan.gov/coronavirus> to find information on resources and assistance, answers to frequently asked questions, and the latest updates on Michigan's response to COVID-19. For COVID-19 updates from CDC visit <https://www.cdc.gov/coronavirus/2019-ncov>.

# PUBLIC USE DATASETS

## Cases and Deaths by County

### README

Includes total cases and deaths to date by case status (confirmed or probable) and county.

County is based on the county of residence.

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

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Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

# **CASES AND DEATHS BY COUNTY 2020-08-07**

Updated	COUNTY	ConfirmedCases	ConfirmedDeaths	ProbableCases	ProbableDeaths
2020/08/07 13:58:45	Alcona	24	1	4	0
2020/08/07 13:58:45	Alger	8	0	1	0
2020/08/07 13:58:45	Allegan	457	7	53	0
2020/08/07 13:58:45	Alpena	113	13	14	0
2020/08/07 13:58:45	Antrim	37	0	4	1
2020/08/07 13:58:45	Arenac	37	3	4	0
2020/08/07 13:58:45	Baraga	5	0		
2020/08/07 13:58:45	Barry	149	2	26	0
2020/08/07 13:58:45	Bay	535	31	65	0
2020/08/07 13:58:45	Benzie	27	1	2	0
2020/08/07 13:58:45	Berrien	1169	65	178	1
2020/08/07 13:58:45	Branch	322	2	33	0
2020/08/07 13:58:45	Calhoun	683	40	99	1
2020/08/07 13:58:45	Cass	296	13	20	1
2020/08/07 13:58:45	Charlevoix	41	2	4	0
2020/08/07 13:58:45	Cheboygan	37	2	7	0
2020/08/07 13:58:45	Chippewa	27	0	12	0
2020/08/07 13:58:45	Clare	65	3	5	0
2020/08/07 13:58:45	Clinton	356	13	66	0
2020/08/07 13:58:45	Crawford	96	5	9	0
2020/08/07 13:58:45	Delta	70	3	19	0
2020/08/07 13:58:45	Dickinson	51	2	1	0
2020/08/07 13:58:45	Eaton	395	8	61	0
2020/08/07 13:58:45	Emmet	53	2	8	0
2020/08/07 13:58:45	Genesee	2924	270	706	25
2020/08/07 13:58:45	Gladwin	55	2	3	0
2020/08/07 13:58:45	Gogebic	103	1	7	0
2020/08/07 13:58:45	Grand Traverse	184	5	23	0
2020/08/07 13:58:45	Gratiot	137	15	17	0
2020/08/07 13:58:45	Hillsdale	241	25	19	0
2020/08/07 13:58:45	Houghton	42	0	7	0
2020/08/07 13:58:45	Huron	130	4	26	0
2020/08/07 13:58:45	Ingham	1489	30	47	0
2020/08/07 13:58:45	Ionia	239	6	35	0
2020/08/07 13:58:45	Iosco	110	11	20	1
2020/08/07 13:58:45	Iron	19	1		
2020/08/07 13:58:45	Isabella	180	9	26	0
2020/08/07 13:58:45	Jackson	689	33	20	1
2020/08/07 13:58:45	Kalamazoo	1490	81	128	2
2020/08/07 13:58:45	Kalkaska	38	4	13	0
2020/08/07 13:58:45	Kent	6772	154	676	4
2020/08/07 13:58:45	Keweenaw	2	0	1	0
2020/08/07 13:58:45	Lake	18	0	1	0
2020/08/07 13:58:45	Lapeer	383	32	78	1
2020/08/07 13:58:45	Leelanau	65	0	4	0
2020/08/07 13:58:45	Lenawee	380	12	39	0
2020/08/07 13:58:45	Livingston	673	27	143	1

2020/08/07 13:58:45	Luce	3	0		
2020/08/07 13:58:45	Mackinac	21	0	5	0
2020/08/07 13:58:45	Macomb	9840	906	365	38
2020/08/07 13:58:45	Manistee	34	0	1	0
2020/08/07 13:58:45	Marquette	139	11	13	0
2020/08/07 13:58:45	Mason	88	0	11	0
2020/08/07 13:58:45	Mecosta	60	2	6	0
2020/08/07 13:58:45	Menominee	111	0	13	0
2020/08/07 13:58:45	Midland	250	10	75	0
2020/08/07 13:58:45	Missaukee	27	1	14	0
2020/08/07 13:58:45	Monroe	834	22	121	3
2020/08/07 13:58:45	Montcalm	166	1	19	0
2020/08/07 13:58:45	Montmorency	7	0	2	1
2020/08/07 13:58:45	Muskegon	1113	59	47	0
2020/08/07 13:58:45	Newaygo	241	0	9	0
2020/08/07 13:58:45	Oakland	12027	1087	3265	46
2020/08/07 13:58:45	Oceana	452	6	22	0
2020/08/07 13:58:45	Ogemaw	39	2	14	0
2020/08/07 13:58:45	Ontonagon	5	0	2	0
2020/08/07 13:58:45	Osceola	63	0	7	0
2020/08/07 13:58:45	Oscoda	18	1	6	0
2020/08/07 13:58:45	Otsego	114	10	20	0
2020/08/07 13:58:45	Ottawa	1683	50	104	5
2020/08/07 13:58:45	Presque Isle	17	1	2	0
2020/08/07 13:58:45	Roscommon	46	0	6	0
2020/08/07 13:58:45	Saginaw	1838	127	115	3
2020/08/07 13:58:45	Sanilac	100	5	6	1
2020/08/07 13:58:45	Schoolcraft	12	0	1	0
2020/08/07 13:58:45	Shiawassee	311	27	27	1
2020/08/07 13:58:45	St Clair	679	52	126	1
2020/08/07 13:58:45	St Joseph	509	8	71	0
2020/08/07 13:58:45	Tuscola	302	29	32	0
2020/08/07 13:58:45	Van Buren	400	9	40	1
2020/08/07 13:58:45	Washtenaw	2190	112	322	0
2020/08/07 13:58:45	Wayne	13407	1201	710	37
2020/08/07 13:58:45	Wexford	60	4	10	0
2020/08/07 13:58:45	MDOC	4381	69	5	0
2020/08/07 13:58:45	FCI	190	5	4	0
2020/08/07 13:58:45	Out-of-State	78	0	1	1
2020/08/07 13:58:45	Unknown	4	0	4	1
2020/08/07 13:58:45	Detroit City	12916	1490	922	99

# PUBLIC USE DATASETS

## Cases by Demographics Statewide

### README

Includes the total number of confirmed and probable cases and confirmed and probable deaths to date by demographic characteristics

Confirmed cases only include individuals who have had a positive diagnostic laboratory test for COVID-19.

Probable cases include individuals who have symptoms consistent with COVID-19 and an epidemiologic link to a confirmed case or a positive serology (antibody) test, but do not have a positive diagnostic laboratory test for COVID-19 and individuals with a positive serology (antibody) test for COVID-19 and an epidemiologic link to a confirmed case.

Confirmed deaths include individuals who meet one or more of the following conditions: 1) Have been identified as a confirmed case and classified as deceased as a result of a case investigation in the Michigan Disease Surveillance System (MDSS). MDSS is the database used by state and local health department to monitor reportable diseases like COVID-19; 2) have been identified as a confirmed case in MDSS had have a death certificate with COVID-19 listed as a cause of death; 3) have been identified as a confirmed case in MDSS and die within 30 days of onset of COVID-19 infection and have a death certificate which classifies their manner death as 'natural'.

Probable deaths include individuals who have COVID indicated as a cause of death on their death certificate but have not had a positive diagnostic laboratory test.

The number of probable cases can change daily based on information obtained through the health department investigation. Probable cases can be re-classified as a confirmed case or determined to not be a case.

Data is suppressed when the number of cases or deaths in a single category is between one and five to protect the confidentiality of individuals.

# **CASES BY DEMOGRAPHICS STATEWIDE 2020-08-07**

CASE_STATUS	AgeCat	RaceCat	SEX	Cases	Deaths
Confirmed	0-9	American Indian/Alaska Native	Female	Suppressed	0
Confirmed	10-19	American Indian/Alaska Native	Female	15	0
Confirmed	20-29	American Indian/Alaska Native	Female	34	0
Confirmed	30-39	American Indian/Alaska Native	Female	28	0
Confirmed	40-49	American Indian/Alaska Native	Female	34	0
Confirmed	50-59	American Indian/Alaska Native	Female	41	0
Confirmed	60-69	American Indian/Alaska Native	Female	17	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Female	13	Suppressed
Confirmed	80+	American Indian/Alaska Native	Female	Suppressed	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Female	0	0
Confirmed	0-9	Asian/Pacific Islander	Female	15	0
Confirmed	10-19	Asian/Pacific Islander	Female	35	0
Confirmed	20-29	Asian/Pacific Islander	Female	131	0
Confirmed	30-39	Asian/Pacific Islander	Female	180	0
Confirmed	40-49	Asian/Pacific Islander	Female	176	0
Confirmed	50-59	Asian/Pacific Islander	Female	151	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Female	90	Suppressed
Confirmed	70-79	Asian/Pacific Islander	Female	44	10
Confirmed	80+	Asian/Pacific Islander	Female	52	22
Confirmed	Unknown	Asian/Pacific Islander	Female	0	0
Confirmed	0-9	Black/African American	Female	149	Suppressed
Confirmed	10-19	Black/African American	Female	380	Suppressed
Confirmed	20-29	Black/African American	Female	1807	Suppressed
Confirmed	30-39	Black/African American	Female	1868	8
Confirmed	40-49	Black/African American	Female	2007	51
Confirmed	50-59	Black/African American	Female	1956	105
Confirmed	60-69	Black/African American	Female	1800	223
Confirmed	70-79	Black/African American	Female	1251	304
Confirmed	80+	Black/African American	Female	1001	412
Confirmed	Unknown	Black/African American	Female	0	0
Confirmed	0-9	Multiple Races	Female	48	0
Confirmed	10-19	Multiple Races	Female	184	0
Confirmed	20-29	Multiple Races	Female	587	0
Confirmed	30-39	Multiple Races	Female	510	0
Confirmed	40-49	Multiple Races	Female	621	Suppressed
Confirmed	50-59	Multiple Races	Female	645	Suppressed
Confirmed	60-69	Multiple Races	Female	402	Suppressed
Confirmed	70-79	Multiple Races	Female	179	11
Confirmed	80+	Multiple Races	Female	181	19
Confirmed	Unknown	Multiple Races	Female	Suppressed	0
Confirmed	0-9	Other	Female	101	0
Confirmed	10-19	Other	Female	262	0
Confirmed	20-29	Other	Female	580	0
Confirmed	30-39	Other	Female	467	Suppressed
Confirmed	40-49	Other	Female	473	Suppressed
Confirmed	50-59	Other	Female	317	Suppressed
Confirmed	60-69	Other	Female	208	13

Confirmed	70-79	Other	Female	101	14
Confirmed	80+	Other	Female	99	21
Confirmed	Unknown	Other	Female	Suppressed	0
Confirmed	0-9	Unknown	Female	88	0
Confirmed	10-19	Unknown	Female	449	0
Confirmed	20-29	Unknown	Female	1019	0
Confirmed	30-39	Unknown	Female	898	0
Confirmed	40-49	Unknown	Female	1031	Suppressed
Confirmed	50-59	Unknown	Female	1030	Suppressed
Confirmed	60-69	Unknown	Female	779	16
Confirmed	70-79	Unknown	Female	460	25
Confirmed	80+	Unknown	Female	535	47
Confirmed	Unknown	Unknown	Female	8	0
Confirmed	0-9	White	Female	240	0
Confirmed	10-19	White	Female	1266	0
Confirmed	20-29	White	Female	3436	Suppressed
Confirmed	30-39	White	Female	2455	7
Confirmed	40-49	White	Female	2490	21
Confirmed	50-59	White	Female	2834	64
Confirmed	60-69	White	Female	2309	161
Confirmed	70-79	White	Female	1748	360
Confirmed	80+	White	Female	2861	1019
Confirmed	Unknown	White	Female	11	0
Confirmed	0-9	American Indian/Alaska Native	Male	8	0
Confirmed	10-19	American Indian/Alaska Native	Male	Suppressed	0
Confirmed	20-29	American Indian/Alaska Native	Male	21	0
Confirmed	30-39	American Indian/Alaska Native	Male	28	0
Confirmed	40-49	American Indian/Alaska Native	Male	34	0
Confirmed	50-59	American Indian/Alaska Native	Male	31	Suppressed
Confirmed	60-69	American Indian/Alaska Native	Male	24	Suppressed
Confirmed	70-79	American Indian/Alaska Native	Male	14	6
Confirmed	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Confirmed	Unknown	American Indian/Alaska Native	Male	0	0
Confirmed	0-9	Asian/Pacific Islander	Male	27	0
Confirmed	10-19	Asian/Pacific Islander	Male	27	0
Confirmed	20-29	Asian/Pacific Islander	Male	149	0
Confirmed	30-39	Asian/Pacific Islander	Male	156	0
Confirmed	40-49	Asian/Pacific Islander	Male	146	Suppressed
Confirmed	50-59	Asian/Pacific Islander	Male	126	Suppressed
Confirmed	60-69	Asian/Pacific Islander	Male	92	11
Confirmed	70-79	Asian/Pacific Islander	Male	40	11
Confirmed	80+	Asian/Pacific Islander	Male	33	16
Confirmed	Unknown	Asian/Pacific Islander	Male	0	0
Confirmed	0-9	Black/African American	Male	133	0
Confirmed	10-19	Black/African American	Male	333	0
Confirmed	20-29	Black/African American	Male	1292	10
Confirmed	30-39	Black/African American	Male	1443	27
Confirmed	40-49	Black/African American	Male	1644	69
Confirmed	50-59	Black/African American	Male	1958	188
Confirmed	60-69	Black/African American	Male	1916	336



Confirmed	70-79	Black/African American	Male	1243	408
Confirmed	80+	Black/African American	Male	585	302
Confirmed	Unknown	Black/African American	Male	Suppressed	0
Confirmed	0-9	Multiple Races	Male	54	0
Confirmed	10-19	Multiple Races	Male	170	0
Confirmed	20-29	Multiple Races	Male	425	0
Confirmed	30-39	Multiple Races	Male	392	Suppressed
Confirmed	40-49	Multiple Races	Male	434	Suppressed
Confirmed	50-59	Multiple Races	Male	466	Suppressed
Confirmed	60-69	Multiple Races	Male	334	21
Confirmed	70-79	Multiple Races	Male	167	13
Confirmed	80+	Multiple Races	Male	70	17
Confirmed	Unknown	Multiple Races	Male	0	0
Confirmed	0-9	Other	Male	117	0
Confirmed	10-19	Other	Male	283	0
Confirmed	20-29	Other	Male	601	Suppressed
Confirmed	30-39	Other	Male	559	Suppressed
Confirmed	40-49	Other	Male	503	Suppressed
Confirmed	50-59	Other	Male	351	8
Confirmed	60-69	Other	Male	218	23
Confirmed	70-79	Other	Male	117	17
Confirmed	80+	Other	Male	49	12
Confirmed	Unknown	Other	Male	Suppressed	0
Confirmed	0-9	Unknown	Male	113	0
Confirmed	10-19	Unknown	Male	493	0
Confirmed	20-29	Unknown	Male	1050	Suppressed
Confirmed	30-39	Unknown	Male	1010	Suppressed
Confirmed	40-49	Unknown	Male	1078	11
Confirmed	50-59	Unknown	Male	1134	10
Confirmed	60-69	Unknown	Male	815	19
Confirmed	70-79	Unknown	Male	414	26
Confirmed	80+	Unknown	Male	255	41
Confirmed	Unknown	Unknown	Male	9	0
Confirmed	0-9	White	Male	293	0
Confirmed	10-19	White	Male	1062	0
Confirmed	20-29	White	Male	2672	Suppressed
Confirmed	30-39	White	Male	2403	13
Confirmed	40-49	White	Male	2372	37
Confirmed	50-59	White	Male	2867	116
Confirmed	60-69	White	Male	2599	272
Confirmed	70-79	White	Male	1768	462
Confirmed	80+	White	Male	1537	726
Confirmed	Unknown	White	Male	11	0
Confirmed	0-9	American Indian/Alaska Native	Unknown	0	0
Confirmed	10-19	American Indian/Alaska Native	Unknown	0	0
Confirmed	20-29	American Indian/Alaska Native	Unknown	0	0
Confirmed	30-39	American Indian/Alaska Native	Unknown	0	0
Confirmed	40-49	American Indian/Alaska Native	Unknown	0	0
Confirmed	50-59	American Indian/Alaska Native	Unknown	0	0
Confirmed	60-69	American Indian/Alaska Native	Unknown	0	0

Confirmed	70-79	American Indian/Alaska Native	Unknown	0	0
Confirmed	80+	American Indian/Alaska Native	Unknown	0	0
Confirmed	Unknown	American Indian/Alaska Native	Unknown	0	0
Confirmed	0-9	Asian/Pacific Islander	Unknown	0	0
Confirmed	10-19	Asian/Pacific Islander	Unknown	0	0
Confirmed	20-29	Asian/Pacific Islander	Unknown	0	0
Confirmed	30-39	Asian/Pacific Islander	Unknown	Suppressed	0
Confirmed	40-49	Asian/Pacific Islander	Unknown	0	0
Confirmed	50-59	Asian/Pacific Islander	Unknown	0	0
Confirmed	60-69	Asian/Pacific Islander	Unknown	0	0
Confirmed	70-79	Asian/Pacific Islander	Unknown	0	0
Confirmed	80+	Asian/Pacific Islander	Unknown	0	0
Confirmed	Unknown	Asian/Pacific Islander	Unknown	0	0
Confirmed	0-9	Black/African American	Unknown	0	0
Confirmed	10-19	Black/African American	Unknown	Suppressed	0
Confirmed	20-29	Black/African American	Unknown	Suppressed	0
Confirmed	30-39	Black/African American	Unknown	Suppressed	0
Confirmed	40-49	Black/African American	Unknown	Suppressed	0
Confirmed	50-59	Black/African American	Unknown	Suppressed	0
Confirmed	60-69	Black/African American	Unknown	Suppressed	0
Confirmed	70-79	Black/African American	Unknown	Suppressed	0
Confirmed	80+	Black/African American	Unknown	Suppressed	0
Confirmed	Unknown	Black/African American	Unknown	Suppressed	0
Confirmed	0-9	Multiple Races	Unknown	0	0
Confirmed	10-19	Multiple Races	Unknown	Suppressed	0
Confirmed	20-29	Multiple Races	Unknown	Suppressed	0
Confirmed	30-39	Multiple Races	Unknown	Suppressed	0
Confirmed	40-49	Multiple Races	Unknown	0	0
Confirmed	50-59	Multiple Races	Unknown	Suppressed	0
Confirmed	60-69	Multiple Races	Unknown	Suppressed	0
Confirmed	70-79	Multiple Races	Unknown	Suppressed	0
Confirmed	80+	Multiple Races	Unknown	0	0
Confirmed	Unknown	Multiple Races	Unknown	0	0
Confirmed	0-9	Other	Unknown	Suppressed	0
Confirmed	10-19	Other	Unknown	Suppressed	0
Confirmed	20-29	Other	Unknown	0	0
Confirmed	30-39	Other	Unknown	Suppressed	0
Confirmed	40-49	Other	Unknown	Suppressed	0
Confirmed	50-59	Other	Unknown	0	0
Confirmed	60-69	Other	Unknown	0	0
Confirmed	70-79	Other	Unknown	0	0
Confirmed	80+	Other	Unknown	0	0
Confirmed	Unknown	Other	Unknown	0	0
Confirmed	0-9	Unknown	Unknown	6	0
Confirmed	10-19	Unknown	Unknown	8	0
Confirmed	20-29	Unknown	Unknown	21	0
Confirmed	30-39	Unknown	Unknown	18	0
Confirmed	40-49	Unknown	Unknown	28	0
Confirmed	50-59	Unknown	Unknown	23	0
Confirmed	60-69	Unknown	Unknown	10	0

Confirmed	70-79	Unknown	Unknown	8	0
Confirmed	80+	Unknown	Unknown	17	0
Confirmed	Unknown	Unknown	Unknown	Suppressed	0
Confirmed	0-9	White	Unknown	0	0
Confirmed	10-19	White	Unknown	Suppressed	0
Confirmed	20-29	White	Unknown	6	0
Confirmed	30-39	White	Unknown	6	0
Confirmed	40-49	White	Unknown	Suppressed	0
Confirmed	50-59	White	Unknown	Suppressed	0
Confirmed	60-69	White	Unknown	Suppressed	0
Confirmed	70-79	White	Unknown	Suppressed	0
Confirmed	80+	White	Unknown	Suppressed	0
Confirmed	Unknown	White	Unknown	0	0
Probable	0-9	American Indian/Alaska Native	Female	Suppressed	0
Probable	10-19	American Indian/Alaska Native	Female	0	0
Probable	20-29	American Indian/Alaska Native	Female	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Female	Suppressed	0
Probable	40-49	American Indian/Alaska Native	Female	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Female	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Female	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Female	Suppressed	0
Probable	80+	American Indian/Alaska Native	Female	0	0
Probable	Unknown	American Indian/Alaska Native	Female	0	0
Probable	0-9	Asian/Pacific Islander	Female	9	0
Probable	10-19	Asian/Pacific Islander	Female	8	0
Probable	20-29	Asian/Pacific Islander	Female	20	0
Probable	30-39	Asian/Pacific Islander	Female	18	0
Probable	40-49	Asian/Pacific Islander	Female	6	0
Probable	50-59	Asian/Pacific Islander	Female	11	0
Probable	60-69	Asian/Pacific Islander	Female	Suppressed	0
Probable	70-79	Asian/Pacific Islander	Female	Suppressed	0
Probable	80+	Asian/Pacific Islander	Female	Suppressed	Suppressed
Probable	Unknown	Asian/Pacific Islander	Female	Suppressed	0
Probable	0-9	Black/African American	Female	20	0
Probable	10-19	Black/African American	Female	38	0
Probable	20-29	Black/African American	Female	107	0
Probable	30-39	Black/African American	Female	90	0
Probable	40-49	Black/African American	Female	117	Suppressed
Probable	50-59	Black/African American	Female	122	6
Probable	60-69	Black/African American	Female	107	11
Probable	70-79	Black/African American	Female	45	10
Probable	80+	Black/African American	Female	29	20
Probable	Unknown	Black/African American	Female	Suppressed	0
Probable	0-9	Multiple Races	Female	10	0
Probable	10-19	Multiple Races	Female	14	0
Probable	20-29	Multiple Races	Female	38	0
Probable	30-39	Multiple Races	Female	19	0
Probable	40-49	Multiple Races	Female	46	0
Probable	50-59	Multiple Races	Female	51	0
Probable	60-69	Multiple Races	Female	34	0

Probable	70-79	Multiple Races	Female	9	0
Probable	80+	Multiple Races	Female	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Female	Suppressed	0
Probable	0-9	Other	Female	18	0
Probable	10-19	Other	Female	29	0
Probable	20-29	Other	Female	30	0
Probable	30-39	Other	Female	36	0
Probable	40-49	Other	Female	28	0
Probable	50-59	Other	Female	21	Suppressed
Probable	60-69	Other	Female	15	Suppressed
Probable	70-79	Other	Female	8	0
Probable	80+	Other	Female	Suppressed	0
Probable	Unknown	Other	Female	Suppressed	0
Probable	0-9	Unknown	Female	33	0
Probable	10-19	Unknown	Female	108	0
Probable	20-29	Unknown	Female	304	0
Probable	30-39	Unknown	Female	269	0
Probable	40-49	Unknown	Female	356	0
Probable	50-59	Unknown	Female	392	0
Probable	60-69	Unknown	Female	319	Suppressed
Probable	70-79	Unknown	Female	134	0
Probable	80+	Unknown	Female	68	Suppressed
Probable	Unknown	Unknown	Female	23	0
Probable	0-9	White	Female	96	0
Probable	10-19	White	Female	168	0
Probable	20-29	White	Female	303	0
Probable	30-39	White	Female	253	0
Probable	40-49	White	Female	290	Suppressed
Probable	50-59	White	Female	345	Suppressed
Probable	60-69	White	Female	227	15
Probable	70-79	White	Female	120	16
Probable	80+	White	Female	90	42
Probable	Unknown	White	Female	23	0
Probable	0-9	American Indian/Alaska Native	Male	0	0
Probable	10-19	American Indian/Alaska Native	Male	0	0
Probable	20-29	American Indian/Alaska Native	Male	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Male	0	0
Probable	40-49	American Indian/Alaska Native	Male	Suppressed	0
Probable	50-59	American Indian/Alaska Native	Male	Suppressed	0
Probable	60-69	American Indian/Alaska Native	Male	Suppressed	0
Probable	70-79	American Indian/Alaska Native	Male	0	0
Probable	80+	American Indian/Alaska Native	Male	Suppressed	Suppressed
Probable	Unknown	American Indian/Alaska Native	Male	0	0
Probable	0-9	Asian/Pacific Islander	Male	11	0
Probable	10-19	Asian/Pacific Islander	Male	Suppressed	0
Probable	20-29	Asian/Pacific Islander	Male	15	0
Probable	30-39	Asian/Pacific Islander	Male	17	0
Probable	40-49	Asian/Pacific Islander	Male	Suppressed	0
Probable	50-59	Asian/Pacific Islander	Male	7	0
Probable	60-69	Asian/Pacific Islander	Male	Suppressed	0

Probable	70-79	Asian/Pacific Islander	Male	Suppressed	0
Probable	80+	Asian/Pacific Islander	Male	0	0
Probable	Unknown	Asian/Pacific Islander	Male	0	0
Probable	0-9	Black/African American	Male	29	0
Probable	10-19	Black/African American	Male	26	0
Probable	20-29	Black/African American	Male	54	0
Probable	30-39	Black/African American	Male	48	0
Probable	40-49	Black/African American	Male	53	7
Probable	50-59	Black/African American	Male	82	6
Probable	60-69	Black/African American	Male	80	17
Probable	70-79	Black/African American	Male	41	21
Probable	80+	Black/African American	Male	18	14
Probable	Unknown	Black/African American	Male	Suppressed	0
Probable	0-9	Multiple Races	Male	10	0
Probable	10-19	Multiple Races	Male	18	0
Probable	20-29	Multiple Races	Male	22	0
Probable	30-39	Multiple Races	Male	28	0
Probable	40-49	Multiple Races	Male	39	0
Probable	50-59	Multiple Races	Male	30	0
Probable	60-69	Multiple Races	Male	17	0
Probable	70-79	Multiple Races	Male	10	0
Probable	80+	Multiple Races	Male	Suppressed	Suppressed
Probable	Unknown	Multiple Races	Male	Suppressed	0
Probable	0-9	Other	Male	17	0
Probable	10-19	Other	Male	28	0
Probable	20-29	Other	Male	37	0
Probable	30-39	Other	Male	26	0
Probable	40-49	Other	Male	19	0
Probable	50-59	Other	Male	14	0
Probable	60-69	Other	Male	12	Suppressed
Probable	70-79	Other	Male	7	Suppressed
Probable	80+	Other	Male	Suppressed	0
Probable	Unknown	Other	Male	Suppressed	0
Probable	0-9	Unknown	Male	35	0
Probable	10-19	Unknown	Male	111	0
Probable	20-29	Unknown	Male	215	Suppressed
Probable	30-39	Unknown	Male	246	Suppressed
Probable	40-49	Unknown	Male	250	Suppressed
Probable	50-59	Unknown	Male	283	0
Probable	60-69	Unknown	Male	222	Suppressed
Probable	70-79	Unknown	Male	90	Suppressed
Probable	80+	Unknown	Male	39	Suppressed
Probable	Unknown	Unknown	Male	19	0
Probable	0-9	White	Male	115	0
Probable	10-19	White	Male	172	0
Probable	20-29	White	Male	242	Suppressed
Probable	30-39	White	Male	195	Suppressed
Probable	40-49	White	Male	198	Suppressed
Probable	50-59	White	Male	258	Suppressed
Probable	60-69	White	Male	190	13

Probable	70-79	White	Male	78	10
Probable	80+	White	Male	59	27
Probable	Unknown	White	Male	12	0
Probable	0-9	American Indian/Alaska Native	Unknown	0	0
Probable	10-19	American Indian/Alaska Native	Unknown	0	0
Probable	20-29	American Indian/Alaska Native	Unknown	Suppressed	0
Probable	30-39	American Indian/Alaska Native	Unknown	0	0
Probable	40-49	American Indian/Alaska Native	Unknown	0	0
Probable	50-59	American Indian/Alaska Native	Unknown	0	0
Probable	60-69	American Indian/Alaska Native	Unknown	0	0
Probable	70-79	American Indian/Alaska Native	Unknown	0	0
Probable	80+	American Indian/Alaska Native	Unknown	0	0
Probable	Unknown	American Indian/Alaska Native	Unknown	0	0
Probable	0-9	Asian/Pacific Islander	Unknown	0	0
Probable	10-19	Asian/Pacific Islander	Unknown	0	0
Probable	20-29	Asian/Pacific Islander	Unknown	0	0
Probable	30-39	Asian/Pacific Islander	Unknown	0	0
Probable	40-49	Asian/Pacific Islander	Unknown	0	0
Probable	50-59	Asian/Pacific Islander	Unknown	0	0
Probable	60-69	Asian/Pacific Islander	Unknown	0	0
Probable	70-79	Asian/Pacific Islander	Unknown	0	0
Probable	80+	Asian/Pacific Islander	Unknown	0	0
Probable	Unknown	Asian/Pacific Islander	Unknown	0	0
Probable	0-9	Black/African American	Unknown	0	0
Probable	10-19	Black/African American	Unknown	0	0
Probable	20-29	Black/African American	Unknown	0	0
Probable	30-39	Black/African American	Unknown	0	0
Probable	40-49	Black/African American	Unknown	0	0
Probable	50-59	Black/African American	Unknown	0	0
Probable	60-69	Black/African American	Unknown	Suppressed	0
Probable	70-79	Black/African American	Unknown	0	0
Probable	80+	Black/African American	Unknown	0	0
Probable	Unknown	Black/African American	Unknown	Suppressed	0
Probable	0-9	Multiple Races	Unknown	0	0
Probable	10-19	Multiple Races	Unknown	0	0
Probable	20-29	Multiple Races	Unknown	Suppressed	0
Probable	30-39	Multiple Races	Unknown	Suppressed	0
Probable	40-49	Multiple Races	Unknown	Suppressed	0
Probable	50-59	Multiple Races	Unknown	Suppressed	0
Probable	60-69	Multiple Races	Unknown	Suppressed	0
Probable	70-79	Multiple Races	Unknown	0	0
Probable	80+	Multiple Races	Unknown	0	0
Probable	Unknown	Multiple Races	Unknown	0	0
Probable	0-9	Other	Unknown	0	0
Probable	10-19	Other	Unknown	0	0
Probable	20-29	Other	Unknown	0	0
Probable	30-39	Other	Unknown	0	0
Probable	40-49	Other	Unknown	0	0
Probable	50-59	Other	Unknown	0	0
Probable	60-69	Other	Unknown	0	0

Probable	70-79	Other	Unknown	0	0
Probable	80+	Other	Unknown	0	0
Probable	Unknown	Other	Unknown	0	0
Probable	0-9	Unknown	Unknown	Suppressed	0
Probable	10-19	Unknown	Unknown	Suppressed	0
Probable	20-29	Unknown	Unknown	6	0
Probable	30-39	Unknown	Unknown	8	0
Probable	40-49	Unknown	Unknown	6	0
Probable	50-59	Unknown	Unknown	7	0
Probable	60-69	Unknown	Unknown	9	0
Probable	70-79	Unknown	Unknown	Suppressed	0
Probable	80+	Unknown	Unknown	Suppressed	0
Probable	Unknown	Unknown	Unknown	218	0
Probable	0-9	White	Unknown	Suppressed	0
Probable	10-19	White	Unknown	0	0
Probable	20-29	White	Unknown	Suppressed	0
Probable	30-39	White	Unknown	0	0
Probable	40-49	White	Unknown	Suppressed	0
Probable	50-59	White	Unknown	Suppressed	0
Probable	60-69	White	Unknown	0	0
Probable	70-79	White	Unknown	0	0
Probable	80+	White	Unknown	0	0
Probable	Unknown	White	Unknown	Suppressed	0

# PUBLIC USE DATASETS

## COVID-19 Tests by County

### README

Data includes tests by type (diagnostic, serology or total combined) by county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Serology tests are used to look for the possibility of previous infection. Serology tests look for antibodies to SARS-CoV-2 in the blood. There are currently two types of serology tests: the enzyme-linked immunosorbent assay (ELISA) test and the rapid antibody detection POC test. Serology tests do not diagnose disease and do not guarantee immunity, but might provide information about previous infection.

Correctional includes state and federal prisons and county and city detection facilities.

Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.



# COVID-19 TESTS BY COUNTY 2020-08-07

Updated	COUNTY	TestType	Count	RatePerMillion
2020/08/07 13:58:47	Alcona	Diagnostic	1217	116963
2020/08/07 13:58:47	Alcona	Serology	37	3556
2020/08/07 13:58:47	Alcona	Total	1254	120519
2020/08/07 13:58:47	Alger	Diagnostic	617	67743
2020/08/07 13:58:47	Alger	Serology	58	6368
2020/08/07 13:58:47	Alger	Total	675	74111
2020/08/07 13:58:47	Allegan	Serology	614	5200
2020/08/07 13:58:47	Allegan	Diagnostic	18431	156088
2020/08/07 13:58:47	Allegan	Total	19045	161288
2020/08/07 13:58:47	Alpena	Diagnostic	1604	56469
2020/08/07 13:58:47	Alpena	Serology	111	3908
2020/08/07 13:58:47	Alpena	Total	1715	60377
2020/08/07 13:58:47	Antrim	Diagnostic	2583	110744
2020/08/07 13:58:47	Antrim	Serology	69	2958
2020/08/07 13:58:47	Antrim	Total	2652	113703
2020/08/07 13:58:47	Arenac	Serology	105	7055
2020/08/07 13:58:47	Arenac	Diagnostic	2322	156017
2020/08/07 13:58:47	Arenac	Total	2427	163072
2020/08/07 13:58:47	Baraga	Diagnostic	1303	158728
2020/08/07 13:58:47	Baraga	Serology	20	2436
2020/08/07 13:58:47	Baraga	Total	1323	161165
2020/08/07 13:58:47	Barry	Diagnostic	9052	147067
2020/08/07 13:58:47	Barry	Serology	451	7327
2020/08/07 13:58:47	Barry	Total	9503	154395
2020/08/07 13:58:47	Bay	Diagnostic	18224	176716
2020/08/07 13:58:47	Bay	Serology	1064	10317
2020/08/07 13:58:47	Bay	Total	19288	187033
2020/08/07 13:58:47	Benzie	Diagnostic	2081	117134
2020/08/07 13:58:47	Benzie	Serology	42	2364
2020/08/07 13:58:47	Benzie	Total	2123	119498
2020/08/07 13:58:47	Berrien	Serology	1527	9954
2020/08/07 13:58:47	Berrien	Diagnostic	38977	254086
2020/08/07 13:58:47	Berrien	Total	40504	264040
2020/08/07 13:58:47	Branch	Diagnostic	4544	104419
2020/08/07 13:58:47	Branch	Serology	126	2895
2020/08/07 13:58:47	Branch	Total	4670	107314
2020/08/07 13:58:47	Calhoun	Diagnostic	26191	195224
2020/08/07 13:58:47	Calhoun	Serology	590	4398
2020/08/07 13:58:47	Calhoun	Total	26781	199621
2020/08/07 13:58:47	Cass	Serology	182	3514
2020/08/07 13:58:47	Cass	Diagnostic	5799	111978
2020/08/07 13:58:47	Cass	Total	5981	115492
2020/08/07 13:58:47	Charlevoix	Serology	294	11246
2020/08/07 13:58:47	Charlevoix	Diagnostic	3428	131125
2020/08/07 13:58:47	Charlevoix	Total	3722	142371
2020/08/07 13:58:47	Cheboygan	Serology	159	6291
2020/08/07 13:58:47	Cheboygan	Diagnostic	1896	75012

2020/08/07 13:58:47	Cheboygan	Total	2055	81302
2020/08/07 13:58:47	Chippewa	Diagnostic	3173	84955
2020/08/07 13:58:47	Chippewa	Serology	77	2062
2020/08/07 13:58:47	Chippewa	Total	3250	87017
2020/08/07 13:58:47	Clare	Serology	183	5913
2020/08/07 13:58:47	Clare	Diagnostic	3019	97544
2020/08/07 13:58:47	Clare	Total	3202	103457
2020/08/07 13:58:47	Clinton	Diagnostic	11060	138953
2020/08/07 13:58:47	Clinton	Serology	2203	27678
2020/08/07 13:58:47	Clinton	Total	13263	166631
2020/08/07 13:58:47	Correctional	Diagnostic	60496	
2020/08/07 13:58:47	Correctional	Serology	8574	
2020/08/07 13:58:47	Correctional	Total	69070	
2020/08/07 13:58:47	Crawford	Diagnostic	1533	109274
2020/08/07 13:58:47	Crawford	Serology	47	3350
2020/08/07 13:58:47	Crawford	Total	1580	112624
2020/08/07 13:58:47	Delta	Diagnostic	5068	141628
2020/08/07 13:58:47	Delta	Serology	196	5477
2020/08/07 13:58:47	Delta	Total	5264	147105
2020/08/07 13:58:47	Detroit City	Diagnostic	177134	272596
2020/08/07 13:58:47	Detroit City	Serology	10993	16917
2020/08/07 13:58:47	Detroit City	Total	188127	289513
2020/08/07 13:58:47	Dickinson	Diagnostic	2195	86969
2020/08/07 13:58:47	Dickinson	Serology	62	2457
2020/08/07 13:58:47	Dickinson	Total	2257	89425
2020/08/07 13:58:47	Eaton	Diagnostic	23391	212129
2020/08/07 13:58:47	Eaton	Serology	3332	30217
2020/08/07 13:58:47	Eaton	Total	26723	242346
2020/08/07 13:58:47	Emmet	Diagnostic	3974	118929
2020/08/07 13:58:47	Emmet	Serology	698	20889
2020/08/07 13:58:47	Emmet	Total	4672	139817
2020/08/07 13:58:47	Genesee	Serology	8901	21934
2020/08/07 13:58:47	Genesee	Diagnostic	55447	136632
2020/08/07 13:58:47	Genesee	Total	64348	158566
2020/08/07 13:58:47	Gladwin	Serology	110	4322
2020/08/07 13:58:47	Gladwin	Diagnostic	3278	128807
2020/08/07 13:58:47	Gladwin	Total	3388	133129
2020/08/07 13:58:47	Gogebic	Diagnostic	3357	240215
2020/08/07 13:58:47	Gogebic	Serology	31	2218
2020/08/07 13:58:47	Gogebic	Total	3388	242433
2020/08/07 13:58:47	Grand Traverse	Diagnostic	12199	131048
2020/08/07 13:58:47	Grand Traverse	Serology	358	3846
2020/08/07 13:58:47	Grand Traverse	Total	12557	134894
2020/08/07 13:58:47	Gratiot	Diagnostic	7129	175112
2020/08/07 13:58:47	Gratiot	Serology	309	7590
2020/08/07 13:58:47	Gratiot	Total	7438	182702
2020/08/07 13:58:47	Hillsdale	Diagnostic	6245	136937
2020/08/07 13:58:47	Hillsdale	Serology	189	4144
2020/08/07 13:58:47	Hillsdale	Total	6434	141081
2020/08/07 13:58:47	Houghton	Serology	69	1934

2020/08/07 13:58:47	Houghton	Diagnostic	4250	119101
2020/08/07 13:58:47	Houghton	Total	4319	121035
2020/08/07 13:58:47	Huron	Serology	215	6940
2020/08/07 13:58:47	Huron	Diagnostic	5177	167102
2020/08/07 13:58:47	Huron	Total	5392	174042
2020/08/07 13:58:47	Ingham	Diagnostic	64537	220710
2020/08/07 13:58:47	Ingham	Serology	10956	37468
2020/08/07 13:58:47	Ingham	Total	75493	258179
2020/08/07 13:58:47	Ionia	Diagnostic	11220	173424
2020/08/07 13:58:47	Ionia	Serology	856	13231
2020/08/07 13:58:47	Ionia	Total	12076	186655
2020/08/07 13:58:47	Iosco	Diagnostic	4252	169220
2020/08/07 13:58:47	Iosco	Serology	109	4338
2020/08/07 13:58:47	Iosco	Total	4361	173558
2020/08/07 13:58:47	Iron	Diagnostic	1675	151365
2020/08/07 13:58:47	Iron	Serology	16	1446
2020/08/07 13:58:47	Iron	Total	1691	152810
2020/08/07 13:58:47	Isabella	Diagnostic	6530	93457
2020/08/07 13:58:47	Isabella	Serology	394	5639
2020/08/07 13:58:47	Isabella	Total	6924	99095
2020/08/07 13:58:47	Jackson	Diagnostic	34041	214756
2020/08/07 13:58:47	Jackson	Serology	1161	7324
2020/08/07 13:58:47	Jackson	Total	35202	222081
2020/08/07 13:58:47	Kalamazoo	Diagnostic	44318	167196
2020/08/07 13:58:47	Kalamazoo	Serology	1999	7542
2020/08/07 13:58:47	Kalamazoo	Total	46317	174738
2020/08/07 13:58:47	Kalkaska	Diagnostic	2791	154729
2020/08/07 13:58:47	Kalkaska	Serology	26	1441
2020/08/07 13:58:47	Kalkaska	Total	2817	156170
2020/08/07 13:58:47	Kent	Serology	10454	15913
2020/08/07 13:58:47	Kent	Diagnostic	142828	217409
2020/08/07 13:58:47	Kent	Total	153282	233322
2020/08/07 13:58:47	Keweenaw	Diagnostic	285	134688
2020/08/07 13:58:47	Keweenaw	Serology	9	4253
2020/08/07 13:58:47	Keweenaw	Total	294	138941
2020/08/07 13:58:47	Lake	Diagnostic	2210	186451
2020/08/07 13:58:47	Lake	Serology	81	6834
2020/08/07 13:58:47	Lake	Total	2291	193284
2020/08/07 13:58:47	Lapeer	Diagnostic	9193	104935
2020/08/07 13:58:47	Lapeer	Serology	1335	15239
2020/08/07 13:58:47	Lapeer	Total	10528	120173
2020/08/07 13:58:47	Leelanau	Diagnostic	2097	96365
2020/08/07 13:58:47	Leelanau	Serology	75	3447
2020/08/07 13:58:47	Leelanau	Total	2172	99812
2020/08/07 13:58:47	Lenawee	Serology	610	6196
2020/08/07 13:58:47	Lenawee	Diagnostic	11935	121228
2020/08/07 13:58:47	Lenawee	Total	12545	127424
2020/08/07 13:58:47	Livingston	Serology	3671	19120
2020/08/07 13:58:47	Livingston	Diagnostic	30671	159749
2020/08/07 13:58:47	Livingston	Total	34342	178869

2020/08/07 13:58:47	Luce	Diagnostic	371	59560
2020/08/07 13:58:47	Luce	Serology	14	2248
2020/08/07 13:58:47	Luce	Total	385	61808
2020/08/07 13:58:47	Mackinac	Diagnostic	981	90842
2020/08/07 13:58:47	Mackinac	Serology	36	3334
2020/08/07 13:58:47	Mackinac	Total	1017	94175
2020/08/07 13:58:47	Macomb	Serology	23255	26608
2020/08/07 13:58:47	Macomb	Diagnostic	138561	158542
2020/08/07 13:58:47	Macomb	Total	161816	185150
2020/08/07 13:58:47	Manistee	Serology	104	4235
2020/08/07 13:58:47	Manistee	Diagnostic	2290	93249
2020/08/07 13:58:47	Manistee	Total	2394	97484
2020/08/07 13:58:47	Marquette	Diagnostic	15177	227545
2020/08/07 13:58:47	Marquette	Serology	688	10315
2020/08/07 13:58:47	Marquette	Total	15865	237860
2020/08/07 13:58:47	Mason	Serology	208	7137
2020/08/07 13:58:47	Mason	Diagnostic	5905	202615
2020/08/07 13:58:47	Mason	Total	6113	209752
2020/08/07 13:58:47	Mecosta	Diagnostic	6416	147654
2020/08/07 13:58:47	Mecosta	Serology	247	5684
2020/08/07 13:58:47	Mecosta	Total	6663	153338
2020/08/07 13:58:47	Menominee	Diagnostic	1777	78007
2020/08/07 13:58:47	Menominee	Serology	34	1493
2020/08/07 13:58:47	Menominee	Total	1811	79500
2020/08/07 13:58:47	Midland	Serology	683	8213
2020/08/07 13:58:47	Midland	Diagnostic	8638	103877
2020/08/07 13:58:47	Midland	Total	9321	112091
2020/08/07 13:58:47	Missaukee	Diagnostic	1693	111986
2020/08/07 13:58:47	Missaukee	Serology	61	4035
2020/08/07 13:58:47	Missaukee	Total	1754	116021
2020/08/07 13:58:47	Monroe	Diagnostic	18405	122292
2020/08/07 13:58:47	Monroe	Serology	2159	14346
2020/08/07 13:58:47	Monroe	Total	20564	136638
2020/08/07 13:58:47	Montcalm	Serology	647	10127
2020/08/07 13:58:47	Montcalm	Diagnostic	11470	179533
2020/08/07 13:58:47	Montcalm	Total	12117	189660
2020/08/07 13:58:47	Montmorency	Diagnostic	799	85656
2020/08/07 13:58:47	Montmorency	Serology	68	7290
2020/08/07 13:58:47	Montmorency	Total	867	92946
2020/08/07 13:58:47	Muskegon	Diagnostic	39891	229832
2020/08/07 13:58:47	Muskegon	Serology	876	5047
2020/08/07 13:58:47	Muskegon	Total	40767	234879
2020/08/07 13:58:47	Newaygo	Diagnostic	8558	174724
2020/08/07 13:58:47	Newaygo	Serology	391	7983
2020/08/07 13:58:47	Newaygo	Total	8949	182707
2020/08/07 13:58:47	Oakland	Diagnostic	208033	165423
2020/08/07 13:58:47	Oakland	Serology	50898	40473
2020/08/07 13:58:47	Oakland	Total	258931	205896
2020/08/07 13:58:47	Oceana	Serology	193	7292
2020/08/07 13:58:47	Oceana	Diagnostic	7246	273775

2020/08/07 13:58:47	Oceana	Total	7439	281067
2020/08/07 13:58:47	Ogemaw	Diagnostic	2185	104062
2020/08/07 13:58:47	Ogemaw	Serology	73	3477
2020/08/07 13:58:47	Ogemaw	Total	2258	107539
2020/08/07 13:58:47	Ontonagon	Diagnostic	1186	207343
2020/08/07 13:58:47	Ontonagon	Serology	11	1923
2020/08/07 13:58:47	Ontonagon	Total	1197	209266
2020/08/07 13:58:47	Osceola	Diagnostic	4814	205200
2020/08/07 13:58:47	Osceola	Serology	119	5072
2020/08/07 13:58:47	Osceola	Total	4933	210273
2020/08/07 13:58:47	Oscoda	Diagnostic	770	93435
2020/08/07 13:58:47	Oscoda	Serology	14	1699
2020/08/07 13:58:47	Oscoda	Total	784	95134
2020/08/07 13:58:47	Otsego	Diagnostic	2150	87157
2020/08/07 13:58:47	Otsego	Serology	219	8878
2020/08/07 13:58:47	Otsego	Total	2369	96035
2020/08/07 13:58:47	Ottawa	Diagnostic	57292	196320
2020/08/07 13:58:47	Ottawa	Serology	3052	10458
2020/08/07 13:58:47	Ottawa	Total	60344	206778
2020/08/07 13:58:47	Presque Isle	Diagnostic	952	75604
2020/08/07 13:58:47	Presque Isle	Serology	100	7942
2020/08/07 13:58:47	Presque Isle	Total	1052	83545
2020/08/07 13:58:47	Roscommon	Serology	228	9492
2020/08/07 13:58:47	Roscommon	Diagnostic	2886	120155
2020/08/07 13:58:47	Roscommon	Total	3114	129647
2020/08/07 13:58:47	Saginaw	Serology	1022	5364
2020/08/07 13:58:47	Saginaw	Diagnostic	42283	221913
2020/08/07 13:58:47	Saginaw	Total	43305	227276
2020/08/07 13:58:47	Sanilac	Diagnostic	6320	153510
2020/08/07 13:58:47	Sanilac	Serology	383	9303
2020/08/07 13:58:47	Sanilac	Total	6703	162813
2020/08/07 13:58:47	Schoolcraft	Diagnostic	614	75859
2020/08/07 13:58:47	Schoolcraft	Serology	29	3583
2020/08/07 13:58:47	Schoolcraft	Total	643	79442
2020/08/07 13:58:47	Shiawassee	Diagnostic	8721	128020
2020/08/07 13:58:47	Shiawassee	Serology	1188	17439
2020/08/07 13:58:47	Shiawassee	Total	9909	145460
2020/08/07 13:58:47	St Clair	Serology	3405	21398
2020/08/07 13:58:47	St Clair	Diagnostic	19398	121902
2020/08/07 13:58:47	St Clair	Total	22803	143300
2020/08/07 13:58:47	St Joseph	Serology	454	7447
2020/08/07 13:58:47	St Joseph	Diagnostic	9951	163227
2020/08/07 13:58:47	St Joseph	Total	10405	170674
2020/08/07 13:58:47	Tuscola	Serology	437	8364
2020/08/07 13:58:47	Tuscola	Diagnostic	10899	208613
2020/08/07 13:58:47	Tuscola	Total	11336	216978
2020/08/07 13:58:47	Unknown	Diagnostic	193736	
2020/08/07 13:58:47	Unknown	Serology	18974	
2020/08/07 13:58:47	Unknown	Total	212710	
2020/08/07 13:58:47	Van Buren	Diagnostic	15004	198264

2020/08/07 13:58:47	Van Buren	Serology	419	5537
2020/08/07 13:58:47	Van Buren	Total	15423	203800
2020/08/07 13:58:47	Washtenaw	Diagnostic	76846	209047
2020/08/07 13:58:47	Washtenaw	Serology	7855	21368
2020/08/07 13:58:47	Washtenaw	Total	84701	230416
2020/08/07 13:58:47	Wayne	Serology	33278	30148
2020/08/07 13:58:47	Wayne	Diagnostic	230024	208391
2020/08/07 13:58:47	Wayne	Total	263302	238539
2020/08/07 13:58:47	Wexford	Diagnostic	4737	140852
2020/08/07 13:58:47	Wexford	Serology	104	3092
2020/08/07 13:58:47	Wexford	Total	4841	143945

# PUBLIC USE DATASETS

## Diagnostic Tests by Result and County

### README

Data include diagnostic tests for COVID-19 by date and county.

Diagnostic tests are used to find current infection and look for genes or proteins from the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that causes COVID-19. These tests, which are performed as nasal swabs, include: Nucleic acid amplification test/real-time polymerase chain reaction (NAAT/RT-PCR) test and rapid virus antigen detection point of care (POC) tests.

Correctional includes state and federal prisons and county and city detention facilities.

Testing data represents total tests performed, not individuals tested. A single individual may have more than one test completed.

The total number of positive tests may exceed the number of confirmed cases due to 1) a single individual may have more than one test performed; 2) MDHHS may receive data on positive tests in advance of a local health department classifying an individual as a confirmed or probable case, and 3) although efforts have been made to deduplicate testing data, some duplication may occur.

**DIAGNOSTIC TESTS BY RESULT AND COUNTY 2020-08-07**

MessageDate	COUNTY	Negative	Positive	Total
8/6/2020	Alcona	6	0	6
8/6/2020	Alger	11	1	12
8/6/2020	Allegan	252	5	257
8/6/2020	Alpena	6	0	6
8/6/2020	Antrim	25	1	26
8/6/2020	Arenac	34	0	34
8/6/2020	Baraga	4	0	4
8/6/2020	Barry	122	3	125
8/6/2020	Bay	291	6	297
8/6/2020	Benzie	41	2	43
8/6/2020	Berrien	869	37	906
8/6/2020	Branch	69	5	74
8/6/2020	Calhoun	551	4	555
8/6/2020	Cass	109	4	113
8/6/2020	Charlevoix	190	0	190
8/6/2020	Cheboygan	16	0	16
8/6/2020	Chippewa	100	1	101
8/6/2020	Clare	108	0	108
8/6/2020	Clinton	131	4	135
8/6/2020	Correctional	815	61	876
8/6/2020	Crawford	12	0	12
8/6/2020	Delta	48	2	50
8/6/2020	Detroit City	1567	46	1613
8/6/2020	Dickinson	77	0	77
8/6/2020	Eaton	313	3	316
8/6/2020	Emmet	45	0	45
8/6/2020	Genesee	1490	26	1516
8/6/2020	Gladwin	104	1	105
8/6/2020	Gogebic	185	3	188
8/6/2020	Grand Traverse	150	3	153
8/6/2020	Gratiot	63	3	66
8/6/2020	Hillsdale	79	5	84
8/6/2020	Houghton	116	1	117
8/6/2020	Huron	93	1	94
8/6/2020	Ingham	629	23	652
8/6/2020	Ionia	134	1	135
8/6/2020	Iosco	46	0	46
8/6/2020	Iron	54	1	55
8/6/2020	Isabella	69	0	69
8/6/2020	Jackson	248	4	252
8/6/2020	Kalamazoo	1264	26	1290
8/6/2020	Kalkaska	16	1	17
8/6/2020	Kent	2106	54	2160
8/6/2020	Keweenaw	7	0	7
8/6/2020	Lake	44	0	44
8/6/2020	Lapeer	172	11	183
8/6/2020	Leelanau	13	2	15



8/6/2020	Lenawee	446	8	454
8/6/2020	Livingston	447	8	455
8/6/2020	Luce	4	0	4
8/6/2020	Mackinac	27	2	29
8/6/2020	Macomb	1820	189	2009
8/6/2020	Manistee	14	0	14
8/6/2020	Marquette	290	14	304
8/6/2020	Mason	80	0	80
8/6/2020	Mecosta	101	3	104
8/6/2020	Menominee	15	1	16
8/6/2020	Midland	123	3	126
8/6/2020	Missaukee	35	1	36
8/6/2020	Monroe	405	14	419
8/6/2020	Montcalm	186	2	188
8/6/2020	Montmorency	8	0	8
8/6/2020	Muskegon	377	13	390
8/6/2020	Newaygo	161	1	162
8/6/2020	Oakland	2877	158	3035
8/6/2020	Oceana	57	4	61
8/6/2020	Ogemaw	10	0	10
8/6/2020	Ontonagon	30	1	31
8/6/2020	Osceola	115	1	116
8/6/2020	Oscoda	6	0	6
8/6/2020	Otsego	30	0	30
8/6/2020	Ottawa	815	14	829
8/6/2020	Presque Isle	4	0	4
8/6/2020	Roscommon	39	0	39
8/6/2020	Saginaw	619	30	649
8/6/2020	Sanilac	210	2	212
8/6/2020	Schoolcraft	1	0	1
8/6/2020	Shiawassee	165	1	166
8/6/2020	St Clair	186	3	189
8/6/2020	St Joseph	155	5	160
8/6/2020	Tuscola	125	6	131
8/6/2020	Unknown	2115	87	2202
8/6/2020	Van Buren	327	13	340
8/6/2020	Washtenaw	1237	26	1263
8/6/2020	Wayne	2456	129	2585
8/6/2020	Wexford	62	2	64